

CONFIDENTIAL

6 April 1964

TRIP REPORT

DATE : 3 April 1964

PLACE :

ATTENDEES:

SUBJECT : Point Transfere Device and High Precision Stereoviewer

1. The first item of discussion was the eye piece assembly. [] is going ahead with the "radial-saw" mount. They have made no decision on how to accommodate the eye piece tilt requirement. They are still considering the articulated "Santoni" concept.

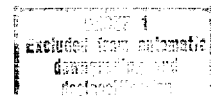
2. The contractor is tentatively considering the use of a field lens between the film and the low power objective as a means of solving the low magnification illumination problem. They were informed we did not consider this an acceptable solution. [] claims that their investigations of materials such as Fotoform have not been encouraging. It also appears that if they use a sub-stage Fresnel lens it will considerably reduce the scan area at low power. What they really want is for us to eliminate the low power requirement. For the present, this was refused.

3. [] was questioned on the "fold-up" hand crank for the film transport. They have accomplished nothing on this item to date.

4. Their present concept on the control panel is basically that given in their progress report dated 26 March 1964. They are leaning toward making our control panel compatible with the Model 571 they are currently constructing. They were again told that this was not particularly desirable. [] was informed that the control panel configuration was of extreme importance to us and that they were not to proceed past the planning or drawing stages without consulting us.

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25X1 5. [] plans to use the same joy stick currently in use on the Model 387. They were informed of our reservations concerning the switches contained in this unit.

6. A long discussion was held concerning least count and accuracy with regards to digitizing the 522. It appears that the Navy has some false impressions concerning the accuracy of their unit. [] was not available for this discussion. 25X1

7. The present Navy 387 was discussed. They have been having some problems with relays malfunctioning and blowing fuses.

8. An involved discussion was held concerning the optimization of the image enhancer's magnitude and frequency to eliminate the slight image effect of parallel bands result from a non-random method of assembly in the manufacturing of the fiber bundles. [] indicated that the integration process is not optimized and that they should be able to improve upon it. 25X1

9. The contractor has not developed an acceptable transparent vacuum hold down manifold. They hope to have one in the near future.

10. Samples of the laser markings were requested and obtained; however, they were .001" and .002" in diameter and, consequently, too large for us to draw valid conclusions from them. Marks of the minimum size were requested.

25X1 11. [] was worried about our request for a mockup - they appear to have the wrong impression of what we desire. A phone call will be made to clarify this issue.

[]
Development Br., P&DS 25X1

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